## STATEMENT OF BASIS

as required by LAC 33:IX.3109, for draft **Louisiana Pollutant Discharge Elimination System Permit No. LA0079057; AI 31441; PER20060001** to discharge to waters of the **State of Louisiana** as per LAC 33:IX.2311.

The **permitting authority** for the Louisiana Pollutant Discharge Elimination System (LPDES) is:

Louisiana Department of Environmental Quality
Office of Environmental Services
P. O. Box 4313
Baton Rouge, Louisiana 70821-4313

**I. THE APPLICANT IS:** Village of Pine Prairie
Pine Prairie Wastewater Treatment Facility
1006 Edwin Elliot Drive
Pine Prairie, LA 70576

**II. PREPARED BY:** Todd Franklin

**DATE PREPARED:** February 20, 2008

**III. PERMIT ACTION:** reissue LPDES permit LA0079057, AI 31441; PER20060001

LPDES application received: May 18, 2006

Revised application containing information on the new wastewater treatment plant received: May 23, 2007

EPA has not retained enforcement authority.

Previous LPDES permit effective: August 1, 2001
Previous LPDES permit expired: July 31, 2006

The Village of Pine Prairie is constructing a new wastewater treatment plant to replace the existing plant. The new plant will be built with a design capacity of 0.25 MGD. The current existing plant's design capacity is only 0.1 MGD. The proposed permit will contain an interim and final effluent limitations. The interim effluent limitations will apply to discharges from the existing treatment plant. Final effluent limitations will apply to discharges from the new treatment plant

**V. FACILITY INFORMATION:**

A. The application is for the discharge of treated sanitary wastewater from a publicly owned treatment works serving the Village of Pine Prairie.

B. The permit application does not indicate the receipt of industrial wastewater.

C. The current facility is located at 305 Holly Street in Pine Prairie, Evangeline Parish.

The new treatment facility will be located at the southern end of Holly Street in Pine Prairie, Evangeline Parish. This new facility will be approximately 0.4 miles from the current plant.

D. The current treatment facility consists of a 100,000 GPD extended aeration treatment plant with tertiary filters and chlorine disinfection.

The new treatment facility will consist of a 250,000 GPD extended aeration treatment plant with an equalization basin, sludge drying beds, STM aerators by Westech, a conventional clarifier system, and chlorine disinfection.

E. **Interim Outfall 001**

Discharge Location: Latitude 30° 46' 40" North
Longitude 92° 25' 25" West

Description: treated sanitary wastewater

Design Capacity: 0.1 MGD

Type of Flow Measurement which the facility is currently using:

Combination Totalizing Meter / Continuous Recorder

**Final Outfall 001**

Discharge Location: Latitude 30° 46' 19" North
Longitude 92° 25' 25" West

Description: treated sanitary wastewater

Design Capacity: 0.25 MGD

Type of Flow Measurement which the facility is currently using:

Combination Totalizing Meter / Continuous Recorder

## V. RECEIVING WATERS:

The discharge from both the current outfall and the new outfall is into local drainage; thence into Boggy Bayou; thence into East Fork Bayou Nezpique in Subsegment 050301 of the Mermentau River Basin. This segment is not listed on the 303(d) list of impaired waterbodies.

The designated uses and degree of support for Segment 050301 of the Mermentau River Basin are as indicated in the table below[1/]:

| Overall Degree of Support for Segment | Degree of Support of Each Use | | | | | | |
|---|---|---|---|---|---|---|---|
| Partial | Primary Contact Recreation | Secondary Contact Recreation | Propagation of Fish & Wildlife | Outstanding Natural Resource Water | Drinking Water Supply | Shell fish Propagation | Agriculture |
| | Not Supported | Full | Not Supported | N/A | N/A | N/A | Full |

[1/]The designated uses and degree of support for Segment 050301 of the Mermentau River Basin are as indicated in LAC 33:IX.1123.C.3, Table (3) and the 2004 Water Quality Management Plan, Water Quality Inventory Integrated Report, Appendix A, respectively.

## VI. ENDANGERED SPECIES:

The receiving waterbody, Subsegment 050301 of the Mermentau River Basin, is not listed in Section II.2 of the Implementation Strategy as requiring consultation with the U. S. Fish and Wildlife Service (FWS). This strategy was submitted with a letter dated October 24, 2007, from Boggs (FWS) to Brown (LDEQ). Therefore, in accordance with the Memorandum of Understanding between the LDEQ and the FWS, no further informal (Section 7, Endangered Species Act) consultation is required. It was determined that the issuance of the LPDES permit is not likely to have an adverse effect on any endangered or candidate species or the critical habitat. The effluent limitations established in the permit ensure protection of aquatic life and maintenance of the receiving water as aquatic habitat.

## VII. HISTORIC SITES:

The discharge will be from a new facility. LDEQ has consulted with the State Historic Preservation Officer (SHPO) in a letter dated December 3, 2007, to determine whether construction-related activities could potentially affect sites or properties on or eligible for listing on the National Register of Historic Places. SHPO's response letter, dated January 11, 2008, stated that the facility as proposed will have no potential effects.

## VIII. PUBLIC NOTICE:

Upon publication of the public notice, a public comment period shall begin on the date of publication and last for at least 30 days thereafter. During this period, any interested persons may submit written comments on the draft permit modification and may request a public hearing to clarify issues involved in the permit decision at this Office's address on the first page of the statement of basis. A request for a public hearing shall be in writing and shall state the nature of the issues proposed to be raised in the hearing.

Public notice published in:

Local newspaper of general circulation

Office of Environmental Services Public Notice Mailing List

For additional information, contact:

Mr. Todd Franklin
Permits Division
Department of Environmental Quality
Office of Environmental Services
P. O. Box 4313
Baton Rouge, Louisiana 70821-4313

## IX. PROPOSED PERMIT LIMITS:

Subsegment 050301, Bayou Nezpique-Headwaters to Mermentau River, is not listed on LDEQ's Final 2004 303(d) list as impaired. However, subsegment 050301 was previously listed as impaired for organic enrichment / low DO, pathogen indicators, suspended solids / turbidity / siltation, nutrients, and phosphorus, for which the below TMDLs have been developed. The Department of Environmental Quality reserves the right to impose more stringent discharge limitations and/or additional restrictions in the future to maintain the water quality integrity and the designated uses of the receiving water bodies based upon additional TMDLs and/or water quality studies. The DEQ also reserves the right to modify or revoke and reissue this permit based upon any changes to established

TMDLs for this discharge, or to accommodate for pollutant trading provisions in approved TMDL watersheds as necessary to achieve compliance with water quality standards.

The following TMDL's have been established for subsegment 050301:

*Bayou Nezpique Watershed TMDL for Dissolved Oxygen Including WLAs for Nine Treatment Facilities* and *Bayou Nezpique TMDL for Nutrients*

As per the TMDLs referenced above, in order to maintain the summer season (April through November) DO criterion of 3.0 mg/L, the current Pine Prairie Wastewater Treatment Facility would be required to meet the following effluent limitations: 10 mg/l $CBOD_5$ / 10 mg/l $NH_3$-N / 6 mg/l DO. In order to maintain the winter season (December through March) DO criterion of 5.0 mg/l, the facility would be required to meet the following effluent limitations: 10 mg/L $CBOD_5$ / 10 mg/L $NH_3$-N / 5 mg/L DO. Therefore, these limitations shall apply to Outfall 001.

The Village of Pine Prairie is currently planning to build a new wastewater treatment plant to replace the current treatment plant. The design capacity of the new plant will be 0.25 MGD, which is 0.15 MGD greater than the current treatment plant. The Margin of Safety listed in the above TMDLs allows a Point Source Reserve of 411.53 lbs/day and 573.75 lbs/day in the summer and winter, respectively. The total additional load for the increase in design capacity is only 25.02 lbs/day in the summer and winter, well below the reserve listed in the Margin of Safety. Therefore, the proposed concentration limitations for the new wastewater treatment plant shall remain the same in the final effluent limitations. Only the loading limits will increase.

*Bayou Nezpique and Bayou Castor TMDLs for Fecal Coliform*

As per the Bayou Nezpique and Bayou Castor Fecal Coliform TMDL, there will be no change in the permit requirements based upon a wasteload allocation resulting from this TMDL. Therefore, Fecal Coliform effluent limitations will remain as previously permitted in the LPDES permit.

*Total Maximum Daily Load (TMDL) for TSS, Turbidity, and Siltation for the Mermentau River Basin*

As per the TMDL for TSS, Turbidity, and Siltation for the Mermentau River Basin, point source loads are so small as to be insignificant, and because effective policies are in place to limit TSS discharges, no specific reductions from point sources are required. TSS limits will remain as previously permitted in the LPDES permit.

**Interim Effluent Limits:**

**The following effluent limitations must be met for all discharges from the current existing 0.1 MGD wastewater treatment plant. Effluent limitations for the new 0.25 MGD wastewater treatment plant are in the Final Effluent Limits.**

**OUTFALL 001**

Final limits shall become effective on the effective date of the permit and expire no later than two months after the end of construction of the new treatment plant.

| Effluent Characteristic | Monthly Avg. (lbs./day) | Monthly Avg. | Weekly Avg. | Basis |
|---|---|---|---|---|
| $CBOD_5$ | 8 | 10 mg/l | 15 mg/l | Limits are set in accordance with the *Bayou Nezpique Watershed TMDL for Dissolved Oxygen Including WLAs for Nine Treatment Facilities* and the *Bayou Nezpique TMDL for Nutrients* |
| TSS | 13 | 15 mg/l | 23 mg/l | As per the *Total Maximum Daily Load (TMDL) for TSS, Turbidity, and Siltation for the Mermentau River Basin*, no reductions were required for point sources. Therefore, the limitations shall remain as previously permitted under the LPDES permit. |
| Ammonia-Nitrogen | 8 | 10 mg/l | 20 mg/l | Limits are set in accordance with the *Bayou Nezpique Watershed TMDL for Dissolved Oxygen Including WLAs for Nine Treatment Facilities* and the *Bayou Nezpique TMDL for Nutrients* |
| Dissolved Oxygen* | | | | Limits are set in accordance with the *Bayou Nezpique Watershed TMDL for Dissolved Oxygen Including WLAs for Nine Treatment Facilities* and the *Bayou Nezpique TMDL for Nutrients* |
| April – November | --- | 6 mg/l | N/A | |
| December - March | --- | 5 mg/l | N/A | |

*This Dissolved Oxygen limit is the lowest allowable average of daily discharges over a calendar month. When monitoring is conducted, the Dissolved Oxygen shall be analyzed immediately, as per 40 CFR 136.3.

**Other Effluent Limitations:**

1) **Fecal Coliform**

The discharge from this facility is into a water body which has a designated use of Primary Contact Recreation. According to LAC 33:IX.1113.C.5.b.i, the fecal coliform standards for this water body are 200/100 ml and 400/100 ml. Therefore, the limits of 200/100 ml (Monthly Average) and 400/100 ml (Weekly Average) are proposed as Fecal Coliform limits in the permit. These limits are being proposed through Best Professional Judgement in order to ensure that the water body standards are not exceeded, and due to the fact that existing

facilities have demonstrated an ability to comply with these limitations using present available technology.

**2) pH**

According to LAC 33:IX.3705.A.1., POTW's must treat to at least secondary levels. Therefore, in accordance with LAC 33:IX.5905.C., the pH shall not be less than 6.0 standard units nor greater than 9.0 standard units at any time.

**3) Solids and Foam**

There shall be no discharge of floating solids or visible foam in other than trace amounts in accordance with LAC 33:IX.1113.B.7.

**Final Effluent Limits:**

Final limits shall become effective no later than two months after the end of construction of the new treatment plant, and expire on the expiration date of the permit.

| Effluent Characteristic | Monthly Avg. (lbs./day) | Monthly Avg. | Weekly Avg. | Basis |
|---|---|---|---|---|
| $CBOD_5$ | 21 | 10 mg/l | 15 mg/l | Limits are set in accordance with the *Bayou Nezpique Watershed TMDL for Dissolved Oxygen Including WLAs for Nine Treatment Facilities* and the *Bayou Nezpique TMDL for Nutrients* |
| TSS | 31 | 15 mg/l | 23 mg/l | As per the *Total Maximum Daily Load (TMDL) for TSS, Turbidity, and Siltation for the Mermentau River Basin*, no reductions were required for point sources. Therefore, the limitations shall remain as previously permitted under the LPDES permit. |
| Ammonia-Nitrogen | 21 | 10 mg/l | 20 mg/l | Limits are set in accordance with the *Bayou Nezpique Watershed TMDL for Dissolved Oxygen Including WLAs for Nine Treatment Facilities* and the *Bayou Nezpique TMDL for Nutrients* |
| Dissolved Oxygen*<br><br>April – November | <br><br>--- | <br><br>6 mg/l | <br><br>N/A | Limits are set in accordance with the *Bayou Nezpique Watershed TMDL for Dissolved Oxygen Including WLAs for Nine Treatment* |

| Effluent Characteristic | Monthly Avg. (lbs./day) | Monthly Avg. | Weekly Avg. | Basis |
|---|---|---|---|---|
| December - March | --- | 5 mg/l | N/A | *Facilities* and the *Bayou Nezpique TMDL for Nutrients* |

*This Dissolved Oxygen limit is the lowest allowable average of daily discharges over a calendar month. When monitoring is conducted, the Dissolved Oxygen shall be analyzed immediately, as per 40 CFR 136.3.

**Other Effluent Limitations:**

**1) Fecal Coliform**

The discharge from this facility is into a water body which has a designated use of Primary Contact Recreation. According to LAC 33:IX.1113.C.5.b.i, the fecal coliform standards for this water body are 200/100 ml and 400/100 ml. Therefore, the limits of 200/100 ml (Monthly Average) and 400/100 ml (Weekly Average) are proposed as Fecal Coliform limits in the permit. These limits are being proposed through Best Professional Judgement in order to ensure that the water body standards are not exceeded, and due to the fact that existing facilities have demonstrated an ability to comply with these limitations using present available technology.

**2) pH**

According to LAC 33:IX.3705.A.1., POTW's must treat to at least secondary levels. Therefore, in accordance with LAC 33:IX.5905.C., the pH shall not be less than 6.0 standard units nor greater than 9.0 standard units at any time.

**3) Solids and Foam**

There shall be no discharge of floating solids or visible foam in other than trace amounts in accordance with LAC 33:IX.1113.B.7.

## X. PREVIOUS PERMITS:

**LPDES Permit No. LA0079057:** Issued: August 1, 2001
Expired: July 31, 2006

| Effluent Characteristic | Discharge Limitations | | Monitoring Requirements | |
|---|---|---|---|---|
| | Daily Avg. | Daily Max. | Measurement Frequency | Sample Type |
| Flow | Report | Report | Continuous | Recorder |
| $BOD_5$ | 8 lb/day / 10 mg/l | 15 mg/l | 2/month | Grab |
| TSS | 13 lb/day / 15 mg/l | 23 mg/l | 2/month | Grab |
| Ammonia-Nitrogen | Report (mg/l) | Report (mg/l) | 2/month | Grab |
| Dissolved Oxygen | Report (mg/l) | --- | 2/month | Grab |
| Fecal Coliform Colonies/100 ml | 200 | 400 | 2/month | Grab |
| pH | Range (6.0 su – 9.0 su) | | 2/month | Grab |

## XI. ENFORCEMENT AND SURVEILLANCE ACTIONS:

### A) Inspections

A review of the files indicates the following most recent inspection performed for this facility.

Date – March 15, 2006
Inspector – Shane Miller, LDEQ
Findings and/or Violations –

1. CEI conducted in response to a complaint about poor management of the WWTP and improperly treated sewage being discharged.
2. The facility is an extended aeration plant for the Village of Pine Prairie; grounds were well kept and in order.
3. All records were available for review.
4. Plant is old and rusted out; appears to have trouble properly treating wastewater.
5. Aeration basin is light in color with a poor mix in the basin; floatables and grease in the aeration basin and clarifier; chlorine contact chamber was cloudy; sludge pumped out of the CCC on 3/14/2006.
6. Discharge turbid with a light odor present; sludge present in receiving stream.
7. Flow meter out for repairs; flow meter actually records influent flow; plant does not have a continuous discharge so a continuous recorder may not be the proper option for measuring flow.
8. DMR review for 2005 revealed excursions for TSS, $BOD_5$, and fecal coliform.
9. Overloads occur at the plant due to I & I problems in the collection system; permit excursions occur as a result of this.
10. Permit expires 7/31/2006
11. The town has plans to construct a new plant.

### B) Compliance and/or Administrative Orders

A review of the files indicates the following most recent enforcement action administered against this facility:

**LDEQ Issuance:**
Consolidated Compliance Order & Notice of Potential Penalty
Enforcement Tracking No. WE-CN-06-0248
Date Issued – November 2, 2007

Findings of Fact:

1. The Respondent owns and/or operates a publicly owned treatment works (POTW) which serves the Village of Pine Prairie and is located on Holly Street in Pine Prairie, Evangeline Parish, Louisiana. The Respondent was issued National Pollutant Discharge Elimination System (NPDES) permit LA0079057 on or about July 13, 1994, with an effective date of August 1, 1994, and an expiration date of July 31, 1999. In accordance with the Department's assumption of the NPDES program on or about August 27, 1996, NPDES permit LA0079057 became a Louisiana Pollutant Discharge Elimination System (LPDES) permit. The Respondent was issued Louisiana Water Discharge Permit System (LWDPS) permit WP2220 with an effective date of November 20, 1994, and an expiration date of November 19, 1999. A permit renewal application was received by the Department on or about March 22, 1999, and LPDES permit LA0079057, formerly NPDES

permit LA0079057, was administratively continued. Louisiana Pollutant Discharge Elimination System (LPDES) permit LA0079057 was reissued to the Respondent on or about July 5, 2001, with an effective date of August 1, 2001, and which expired on July 29, 2006. A permit renewal application was received by the Department on or about May 18, 2006, and LPDES permit LA0079057 has been administratively continued. Under the terms and conditions of LPDES permit LA0079057, the Respondent is authorized to discharge treated sanitary wastewater into an unnamed gully, thence into Boggy Bayou, thence into East Fork Bayou Nezpique, all waters of the state.

2. An inspection conducted by the Department on or about September 11, 2003, revealed that the Respondent failed to complete annual Environmental Audit Reports as required by LPDES permit LA0079057. Specifically, LPDES permit LA0079057, which became effective on or about August 1, 2001, requires the Respondent to complete an Environmental Audit Report annually.
3. A Compliance Evaluation Inspection (CEI) conducted by the Department on or about September 11, 2003, and an inspection conducted by the Department on or about March 15, 2006, in response to a citizen's complaint, revealed deficiencies in operations and maintenance. Specifically, the following deficiencies were noted during the Department's inspection on or about September 11, 2003:

   A. Solids were washing out of the Respondent's treatment plant and the receiving stream contained sludge and other floatable solids.
   B. The bar screen and weirs were in need of cleaning.
   C. Solids and floating sludge were observed in the clarifier.
   D. Pin floc was observed in the chlorine contact chamber, from which solids was also washing out.
   E. Sludge was observed in one of the drying beds.

   Additionally, the following deficiencies were noted during the Department's inspection on or about March 15, 2006:

   A. The contents of the aeration basin were light in color with poor mixing occurring.
   B. The contents of the chlorine contact chamber were cloudy.
   C. Floatable solids and grease were observed in the aeration basin and clarifier.
   D. The discharge was turbid with a light odor.
   E. Hydraulic overloads occur at the plant due to inflow and infiltration problems in the collection system causing permit excursions.

   Also, inspections conducted by the Department on or about September 11, 2003, and March 15, 2006, noted that the Respondent's sewage treatment plant was rusting and in disrepair.
4. A Compliance Evaluation Inspection (CEI) conducted by the Department on or about September 11, 2003, and an inspection conducted by the Department on or about March 15, 2006, in response to a citizen's complaint, revealed that the Respondent's discharge contained sludge and floatable solids.
5. A Compliance Evaluation Inspection (CEI) conducted by the Department on or about September 11, 2003, and an inspection conducted by the Department on or about March 15, 2006, in response to a citizen's complaint, and a subsequent file review conducted by the Department on or about October 18, 2007, revealed that the Respondent was discharging inadequately treated sanitary wastewater from its treatment plant to waters of the state. Specifically, the following effluent limitation violations were reported by the Respondent on its DMRs:

| Monitoring Period | Parameter | Permit Limit | Sample Value |
|---|---|---|---|
| 08/01 | Fecal Coliform (Monthly Avg.) | 200 colonies/100 ml | 1,234 colonies/100 ml |
| | Fecal Coliform (Weekly Avg.) | 400 colonies/100 ml | 1,450 colonies/100 ml |
| 12/01 | TSS (Monthly Avg.) | 15 mg/L | 18 mg/L |
| | TSS (Weekly Avg.) | 23 mg/L | 30 mg/L |
| 05/02 | $BOD_5$ (Monthly Avg.) | 10 mg/L | 17 mg/L |
| | $BOD_5$ (Weekly Avg.) | 15 mg/L | 25 mg/L |
| | TSS (Monthly Avg.) | 15 mg/L | 47 mg/L |
| | TSS (Weekly Avg.) | 23 mg/L | 84 mg/L |
| 07/02 | $BOD_5$ (Monthly Avg.) | 10 mg/L | 13 mg/L |
| | $BOD_5$ (Weekly Avg.) | 15 mg/L | 21 mg/L |
| | Fecal Coliform (Monthly Avg.) | 200 colonies/100 ml | 235 colonies/100 ml |
| | Fecal Coliform (Weekly Avg.) | 400 colonies/100 ml | 5,500 colonies/100 ml |
| 03/03 | TSS (Monthly Avg.) | 13 lbs/day | 18.61 lbs/day |
| | TSS (Monthly Avg.) | 15 mg/L | 20 mg/L |
| 01/04 | TSS (Monthly Avg.) | 13 lbs/day | 17.85 lbs/day |
| | TSS (Monthly Avg.) | 15 mg/L | 28 mg/L |
| | TSS (Weekly Avg.) | 23 mg/L | 50 mg/L |
| 03/04 | $BOD_5$ (Weekly Avg.) | 15 mg/L | 20 mg/L |
| 04/04 | $BOD_5$ (Monthly Avg.) | 10 mg/L | 11 mg/L |
| | $BOD_5$ (Weekly Avg.) | 15 mg/L | 16 mg/L |
| 07/04 | $BOD_5$ (Monthly Avg.) | 8 lbs/day | 8.04 lbs/day |
| | $BOD_5$ (Monthly Avg.) | 10 mg/L | 18 mg/L |
| | $BOD_5$ (Weekly Avg.) | 15 mg/L | 20 mg/L |
| | TSS (Monthly Avg.) | 15 mg/L | 22 mg/L |
| | TSS (Weekly Avg.) | 23 mg/L | 34 mg/L |
| 08/04 | TSS (Monthly Avg.) | 15 mg/L | 35 mg/L |
| | TSS (Weekly Avg.) | 23 mg/L | 41 mg/L |
| 09/04 | $BOD_5$ (Monthly Avg.) | 10 mg/L | 15 mg/L |
| | $BOD_5$ (Weekly Avg.) | 15 mg/L | 18 mg/L |
| | TSS (Monthly Avg.) | 13 lbs/day | 31.30 lbs/day |
| | TSS (Monthly Avg.) | 15 mg/L | 79 mg/L |
| | TSS (Weekly Avg.) | 23 mg/L | 124 mg/L |
| 10/04 | $BOD_5$ (Monthly Avg.) | 10 mg/L | 12 mg/L |
| | $BOD_5$ (Weekly Avg.) | 15 mg/L | 17 mg/L |
| | TSS (Monthly Avg.) | 13 lbs/day | 16.78 lbs/day |
| | TSS (Monthly Avg.) | 15 mg/L | 47 mg/L |
| | TSS (Weekly Avg.) | 23 mg/L | 76 mg/L |
| | pH Standard Units (SU) | 6.0 (Min.) | 2 S.U. |
| | pH Standard Units (SU) | 9.0 (Max.) | 10 S.U. |
| 11/04 | $BOD_5$ (Monthly Avg.) | 10 mg/L | 12 mg/L |
| | $BOD_5$ (Weekly Avg.) | 15 mg/L | 21 mg/L |
| | TSS (Monthly Avg.) | 15 mg/L | 26 mg/L |
| | TSS (Weekly Avg.) | 23 mg/L | 42 mg/L |
| | Fecal Coliform (Weekly Avg.) | 400 colonies/100 ml | 600 colonies/100 ml |
| 01/05 | $BOD_5$ (Monthly Avg.) | 8 lbs/day | 33.84 lbs/day |
| | TSS (Monthly Avg.) | 13 lbs/day | 16.96 lbs/day |
| | Fecal Coliform (Monthly Avg.) | 200 colonies/100 ml | 379 colonies/100 ml |
| | Fecal Coliform (Weekly Avg.) | 400 colonies/100 ml | 600 colonies/100 ml |

| | | | |
|---|---|---|---|
| 02/05 | $BOD_5$ (Monthly Avg.) | 10 mg/L | 18 mg/L |
| | $BOD_5$ (Weekly Avg.) | 15 mg/L | 21 mg/L |
| | TSS (Monthly Avg.) | 15 mg/L | 16 mg/L |
| 03/05 | $BOD_5$ (Monthly Avg.) | 10 mg/L | 40 mg/L |
| | $BOD_5$ (Weekly Avg.) | 15 mg/L | 51 mg/L |
| | TSS (Monthly Avg.) | 15 mg/L | 47 mg/L |
| | TSS (Weekly Avg.) | 23 mg/L | 64 mg/L |
| | Fecal Coliform (Monthly Avg.) | 200 colonies/100 ml | 4,324 colonies/100 ml |
| | Fecal Coliform (Weekly Avg.) | 400 colonies/100 ml | 5,500 colonies/100 ml |
| 04/05 | $BOD_5$ (Monthly Avg.) | 10 mg/L | 13 mg/L |
| | $BOD_5$ (Weekly Avg.) | 15 mg/L | 21 mg/L |
| | TSS (Monthly Avg.) | 15 mg/L | 32 mg/L |
| | TSS (Weekly Avg.) | 23 mg/L | 32 mg/L |
| 05/05 | $BOD_5$ (Monthly Avg.) | 10 mg/L | 21 mg/L |
| | $BOD_5$ (Weekly Avg.) | 15 mg/L | 23 mg/L |
| | TSS (Monthly Avg.) | 15 mg/L | 70 mg/L |
| | TSS (Weekly Avg.) | 23 mg/L | 72 mg/L |
| 06/05 | $BOD_5$ (Monthly Avg.) | 10 mg/L | 32 mg/L |
| | $BOD_5$ (Weekly Avg.) | 15 mg/L | 39 mg/L |
| | TSS (Monthly Avg.) | 15 mg/L | 87 mg/L |
| | TSS (Weekly Avg.) | 23 mg/L | 88 mg/L |
| | Fecal Coliform (Weekly Avg.) | 400 colonies/100 ml | 3,500 colonies/100 ml |
| 07/05 | $BOD_5$ (Monthly Avg.) | 10 mg/L | 16 mg/L |
| | $BOD_5$ (Weekly Avg.) | 15 mg/L | 16 mg/L |
| | TSS (Monthly Avg.) | 15 mg/L | 62 mg/L |
| | TSS (Weekly Avg.) | 23 mg/L | 78 mg/L |
| | Fecal Coliform (Weekly Avg.) | 400 colonies/100 ml | 450 colonies/100 ml |
| 08/05 | $BOD_5$ (Monthly Avg.) | 10 mg/L | 11 mg/L |
| 09/05 | $BOD_5$ (Monthly Avg.) | 10 mg/L | 17 mg/L |
| | $BOD_5$ (Weekly Avg.) | 15 mg/L | 25 mg/L |
| | TSS (Monthly Avg.) | 15 mg/L | 24 mg/L |
| | TSS (Weekly Avg.) | 23 mg/L | 25 mg/L |
| 10/05 | $BOD_5$ (Monthly Avg.) | 10 mg/L | 25 mg/L |
| | $BOD_5$ (Weekly Avg.) | 15 mg/L | 29 mg/L |
| | TSS (Monthly Avg.) | 15 mg/L | 29 mg/L |
| | TSS (Weekly Avg.) | 23 mg/L | 36 mg/L |
| | Fecal Coliform (Monthly Avg.) | 200 colonies/100 ml | 267 colonies/100 ml |
| 11/05 | $BOD_5$ (Monthly Avg.) | 10 mg/L | 37 mg/L |
| | $BOD_5$ (Weekly Avg.) | 15 mg/L | 46 mg/L |
| | TSS (Monthly Avg.) | 15 mg/L | 30 mg/L |
| | TSS (Weekly Avg.) | 23 mg/L | 33 mg/L |
| | Fecal Coliform (Monthly Avg.) | 200 colonies/100 ml | 286 colonies/100 ml |
| 12/05 | $BOD_5$ (Monthly Avg.) | 10 mg/L | 13 mg/L |
| | $BOD_5$ (Weekly Avg.) | 15 mg/L | 18 mg/L |
| | TSS (Monthly Avg.) | 15 mg/L | 27 mg/L |
| | TSS (Weekly Avg.) | 23 mg/L | 40 mg/L |
| 01/06 | $BOD_5$ (Monthly Avg.) | 10 mg/L | 20 mg/L |
| | $BOD_5$ (Weekly Avg.) | 15 mg/L | 32 mg/L |
| | TSS (Monthly Avg.) | 15 mg/L | 19 mg/L |
| | TSS (Weekly Avg.) | 23 mg/L | 28 mg/L |

| | | | |
|---|---|---|---|
| 02/06 | $BOD_5$ (Monthly Avg.) | 10 mg/L | 22 mg/L |
| | $BOD_5$ (Weekly Avg.) | 15 mg/L | 27 mg/L |
| | TSS (Monthly Avg.) | 15 mg/L | 37 mg/L |
| | TSS (Weekly Avg.) | 23 mg/L | 48 mg/L |
| 03/06 | $BOD_5$ (Monthly Avg.) | 10 mg/L | 25 mg/L |
| | $BOD_5$ (Weekly Avg.) | 15 mg/L | 32 mg/L |
| | TSS (Monthly Avg.) | 15 mg/L | 47 mg/L |
| | TSS (Weekly Avg.) | 23 mg/L | 54 mg/L |
| | Fecal Coliform (Monthly Avg.) | 200 colonies/100 ml | 600 colonies/100 ml |
| | Fecal Coliform (Weekly Avg.) | 400 colonies/100 ml | 600 colonies/100 ml |
| 04/06 | $BOD_5$ (Monthly Avg.) | 10 mg/L | 21 mg/L |
| | $BOD_5$ (Weekly Avg.) | 15 mg/L | 22 mg/L |
| | TSS (Monthly Avg.) | 15 mg/L | 33 mg/L |
| | TSS (Weekly Avg.) | 23 mg/L | 44 mg/L |
| | Fecal Coliform (Monthly Avg.) | 200 colonies/100 ml | 235 colonies/100 ml |
| | Fecal Coliform (Weekly Avg.) | 400 colonies/100 ml | 5,500 colonies/100 ml |
| 05/06 | $BOD_5$ (Monthly Avg.) | 10 mg/L | 24 mg/L |
| | $BOD_5$ (Weekly Avg.) | 15 mg/L | 41 mg/L |
| | TSS (Monthly Avg.) | 15 mg/L | 56 mg/L |
| | TSS (Weekly Avg.) | 23 mg/L | 72 mg/L |
| 06/06 | $BOD_5$ (Monthly Avg.) | 10 mg/L | 17 mg/L |
| | $BOD_5$ (Weekly Avg.) | 15 mg/L | 27 mg/L |
| | TSS (Monthly Avg.) | 15 mg/L | 49 mg/L |
| | TSS (Weekly Avg.) | 23 mg/L | 52 mg/L |
| | Fecal Coliform (Monthly Avg.) | 200 colonies/100 ml | 1,200 colonies/100 ml |
| | Fecal Coliform (Weekly Avg.) | 400 colonies/100 ml | 4,500 colonies/100 ml |
| 07/06 | $BOD_5$ (Monthly Avg.) | 10 mg/L | 12 mg/L |
| | TSS (Monthly Avg.) | 15 mg/L | 34 mg/L |
| | TSS (Weekly Avg.) | 23 mg/L | 37 mg/L |
| | Fecal Coliform (Monthly Avg.) | 200 colonies/100 ml | 735 colonies/100 ml |
| | Fecal Coliform (Weekly Avg.) | 400 colonies/100 ml | 6,000 colonies/100 ml |
| 08/06 | TSS (Monthly Avg.) | 15 mg/L | 27 mg/L |
| | TSS (Weekly Avg.) | 23 mg/L | 38 mg/L |
| 12/06 | TSS (Monthly Avg.) | 15 mg/L | 16 mg/L |
| | TSS (Weekly Avg.) | 23 mg/L | 26 mg/L |
| | Fecal Coliform (Monthly Avg.) | 200 colonies/100 ml | 458 colonies/100 ml |
| | Fecal Coliform (Weekly Avg.) | 400 colonies/100 ml | 3,500 colonies/100 ml |
| 02/07 | TSS (Monthly Avg.) | 15 mg/L | 20 mg/L |
| 03/07 | $BOD_5$ (Monthly Avg.) | 10 mg/L | 86 mg/L |
| | $BOD_5$ (Weekly Avg.) | 15 mg/L | 113 mg/L |
| | TSS (Monthly Avg.) | 15 mg/L | 300 mg/L |
| | TSS (Weekly Avg.) | 23 mg/L | 380 mg/L |
| | Fecal Coliform (Monthly Avg.) | 200 colonies/100 ml | 4,099 colonies/100 ml |
| | Fecal Coliform (Weekly Avg.) | 400 colonies/100 ml | 60,000 colonies/100 ml |
| 04/07 | $BOD_5$ (Monthly Avg.) | 8 lbs./day | 640.9 lbs./day |
| | $BOD_5$ (Monthly Avg.) | 10 mg/L | 68 mg/L |
| | $BOD_5$ (Weekly Avg.) | 15 mg/L | 77 mg/L |
| | TSS (Monthly Avg.) | 13 lbs./day | 1,551.89 lbs./day |
| | TSS (Monthly Avg.) | 15 mg/L | 158 mg/L |
| | TSS (Weekly Avg.) | 23 mg/L | 160 mg/L |

| | | | |
|---|---|---|---|
| | Fecal Coliform (Monthly Avg.) | 200 colonies/100 ml | 3,231 colonies/100 ml |
| | Fecal Coliform (Weekly Avg.) | 400 colonies/100 ml | 3,600 colonies/100 ml |
| 05/07 | $BOD_5$ (Monthly Avg.) | 8 lbs./day | 2,156.84 lbs./day |
| | $BOD_5$ (Monthly Avg.) | 10 mg/L | 91 mg/L |
| | $BOD_5$ (Weekly Avg.) | 15 mg/L | 115 mg/L |
| | TSS (Monthly Avg.) | 13 lbs./day | 1,929.34 lbs./day |
| | TSS (Monthly Avg.) | 15 mg/L | 78 mg/L |
| | TSS (Weekly Avg.) | 23 mg/L | 88 mg/L |
| | Fecal Coliform (Monthly Avg.) | 200 colonies/100 ml | 775 colonies/100 ml |
| | Fecal Coliform (Weekly Avg.) | 400 colonies/100 ml | 60,000 colonies/100 ml |
| 06/07 | $BOD_5$ (Monthly Avg.) | 8 lbs./day | 1,935.9 lbs./day |
| | $BOD_5$ (Monthly Avg.) | 10 mg/L | 47 mg/L |
| | $BOD_5$ (Weekly Avg.) | 15 mg/L | 63 mg/L |
| | TSS (Monthly Avg.) | 13 lbs./day | 3,254.01 lbs./day |
| | TSS (Monthly Avg.) | 15 mg/L | 80 mg/L |
| | TSS (Weekly Avg.) | 23 mg/L | 112 mg/L |
| | Fecal Coliform (Monthly Avg.) | 200 colonies/100 ml | 6,935 colonies/100 ml |
| | Fecal Coliform (Weekly Avg.) | 400 colonies/100 ml | 37,000 colonies/100 ml |
| 07/07 | $BOD_5$ (Monthly Avg.) | 8 lbs./day | 3,483.16 lbs./day |
| | $BOD_5$ (Monthly Avg.) | 10 mg/L | 63 mg/L |
| | $BOD_5$ (Weekly Avg.) | 15 mg/L | 79 mg/L |
| | TSS (Monthly Avg.) | 13 lbs./day | 7,070.37 lbs./day |
| | TSS (Monthly Avg.) | 15 mg/L | 130 mg/L |
| | TSS (Weekly Avg.) | 23 mg/L | 212 mg/L |
| | Fecal Coliform (Monthly Avg.) | 200 colonies/100 ml | 60,000 colonies/100 ml |
| | Fecal Coliform (Weekly Avg.) | 400 colonies/100 ml | 60,000 colonies/100 ml |
| 08/07 | $BOD_5$ (Monthly Avg.) | 8 lbs./day | 9,219.27 lbs./day |
| | $BOD_5$ (Monthly Avg.) | 10 mg/L | 116 mg/L |
| | $BOD_5$ (Weekly Avg.) | 15 mg/L | 173 mg/L |
| | TSS (Monthly Avg.) | 13 lbs./day | 4,551.42 lbs./day |
| | TSS (Monthly Avg.) | 15 mg/L | 59 mg/L |
| | TSS (Weekly Avg.) | 23 mg/L | 86 mg/L |
| | Fecal Coliform (Monthly Avg.) | 200 colonies/100 ml | 8,832 colonies/100 ml |
| | Fecal Coliform (Weekly Avg.) | 400 colonies/100 ml | 60,000 colonies/100 ml |

6. An inspection conducted by the Department on or about March 15, 2006, in response to a citizen's complaint, revealed that the Respondent was not monitoring flow as required by LPDES permit LA0079057. Specifically, LPDES permit LA0079057 requires that flow be monitored continuously, and the Respondent's flow meter was out for repair at the time of the Department's inspection.
7. An inspection conducted by the Department on or about March 15, 2006, in response to a citizen's complaint, revealed that the Respondent was not monitoring flow as required by LPDES permit LA0079057. Specifically, the Department's inspection revealed the Respondent's flow meter was installed to measure the influent to the treatment plant instead of the effluent or discharge.
8. A file review conducted by the Department on or about October 18, 2007, revealed the Respondent was reporting inaccurate flow data on its DMRs. The Department's inspection on or about March 15, 2006, in response to a citizen's complaint, indicated that the Respondent was measuring influent to the treatment works instead of the effluent, or discharge, as required. The Department's file review on or about October 29, 2007, revealed the Respondent reported weekly average flow values

between 0.0029 Million Gallons per Day (MGD) and 0.9374 MGD for the monitoring periods of August 2001 through November 2005. No flow values were reported for the monitoring periods of March 2006 through February 2007. However, the Respondent reported weekly average flow values between 0.46 MGD and 102 MGD for the monitoring periods from March 2007 through July 2007, which would also be used in calculating loading values reported by the Respondent on its DMRs.

9. A file review conducted by the Department on or about October 18, 2007, revealed the Respondent failed to report as required by LPDES permit LA0079057. Specifically, the Respondent failed to report as follows:

   A. The Respondent failed to report Ammonia-Nitrogen on its DMRs for the monitoring periods of August 2001 through October 2004.
   B. The Respondent failed to report TSS and $BOD_5$ loading values for the monitoring periods of August 2002 and September 2002.
   C. The Respondent failed to report the Monthly and Weekly Average flow values, and the loading values for $BOD_5$, TSS, and Ammonia-Nitrogen, on its DMRs for the monitoring periods of March 2006 through March 2007.
   D. The Respondent failed to report the loading values for $BOD_5$, TSS, and Ammonia-Nitrogen on its DMRs for the monitoring period of March 2007.

   The Respondent submitted revised DMRs for the monitoring periods of August 2003 through October 2004, which contained loading values for TSS and $BOD_5$. The DMRs were received by the Department on or about November 29, 2004.

10. A file review conducted by the Department on or about October 18, 2007, revealed the Respondent failed to submit signed/certified DMRs. Specifically, the Respondent failed to submit DMRs which were signed and certified for the monthly monitoring periods of August 2001 through October 2004. The DMRs were received by the Department on or about November 29, 2004.
11. A file review conducted by the Department on or about October 18, 2007, revealed that the Respondent failed to submit DMRs as required by LPDES permit LA0079057. Specifically, the Respondent failed to submit a DMR for the monitoring period of June 2006 in a timely manner. The DMR for June 2006 was obtained by the Enforcement Division from the Respondent's laboratory, Sherry Laboratories, on or about February 15, 2007. A representative with the Village of Pine Prairie stated in a subsequent telephone conversation on or about February 15, 2007, that the Respondent would obtain a copy of the June 2006 DMR to be signed by the Mayor and submitted to Department. The DMR for June 2006 was received by the Department on or about February 21, 2007. The Respondent also failed to submit a DMR for the monitoring period of December 2004. However, two DMRs were submitted for the November 2004 monitoring period.
12. A file review conducted by the Department on or about October 18, 2007, revealed the Respondent submitted a modified permit renewal application to the Department on or about May 17, 2007. The aforementioned permit application included a construction schedule and indicated that the Respondent was installing a new, extended aeration treatment plant with equalization basin, sludge drying beds, STM aerators, and a conventional clarifier in its efforts to meet future permit limitations which will be imposed as the result of Total Maximum Daily Loading (TMDL) studies completed on local drainages. Additional correspondence submitted to the Department by fax on or about October 18, 2007, indicated that the Respondent commenced construction on or about September 18, 2007. Once construction has been completed, and pending approval from the Department's Permits Division, the Respondent will discharge from the new treatment plant to an unnamed gully,

thence into East Fork Bayou Nezpique.

Order:

1. To immediately take any and all steps necessary to achieve and maintain compliance with permit limitations and conditions contained in LPDES permit LA0079057, and the Water Quality Regulations, including but not limited to properly operating and maintaining the treatment works, meeting and maintaining permit limitations, properly reporting and maintaining records, properly monitoring flow, completing environmental audit reports, and properly submitting DMRs.
2. The Respondent shall accomplish the following tasks and comply with the following schedule of activities associated with the repairing of its sewage treatment system as follows:

## PROJECT SCHEDULE

| Activity | Completion Date |
|---|---|
| 1. Begin process of obtaining funds and development of specifications. | January 2001 |
| 2. Begin Construction. | September 18, 2007 |
| 3. End Construction. | July 2008 |
| 4. Achieve final effluent Limitations and monitoring requirements. | August 2008 |

The Respondent shall submit construction progress reports monthly until completion of the proposed construction. The first report is due thirty (30) days after receipt of the **COMPLIANCE ORDER.** Within 15 days of any due date specified in the schedule above, the Respondent shall submit a certification of compliance or non-compliance with that activity. If the Respondent reports non-compliance with a schedule event, the certification shall include a discussion of the cause of the delay, an anticipated date of completion, and a discussion of any impairment of a subsequent due date.

3. To submit to the Enforcement Division, within thirty (30) days after receipt of the **COMPLIANCE ORDER,** a comprehensive plan for the expeditious elimination and prevention of such noncomplying discharges. Such plan shall provide for specific corrective actions taken and shall include a critical path schedule for the achievement of compliance within the shortest time possible.
4. To submit to the Enforcement Division, within thirty (30) days after receipt of the **COMPLIANCE ORDER,** a written report that includes a detailed description of the circumstances surrounding the cited violations and actions taken or to be taken to achieve compliance with the Order Portion of the **COMPLIANCE ORDER**.

### C) DMR Review

A review of the discharge monitoring reports for the period beginning September 2005 through August 2007 has revealed the following violations:

| Parameter | Outfall | Period of Excursion | Permit Limit | Reported Quantity |
|---|---|---|---|---|
| $BOD_5$, Monthly Avg. | 001 | September 2005 | 10 mg/l | 17 mg/l |
| $BOD_5$, Weekly Avg. | 001 | September 2005 | 15 mg/l | 25 mg/l |
| TSS, Monthly Avg. | 001 | September 2005 | 15 mg/l | 24 mg/l |
| TSS, Weekly Avg. | 001 | September 2005 | 23 mg/l | 25 mg/l |
| $BOD_5$, Monthly Avg. | 001 | October 2005 | 10 mg/l | 25 mg/l |

| | | | | |
|---|---|---|---|---|
| $BOD_5$, Weekly Avg. | 001 | October 2005 | 15 mg/l | 29 mg/l |
| TSS, Monthly Avg. | 001 | October 2005 | 15 mg/l | 29 mg/l |
| TSS, Weekly Avg. | 001 | October 2005 | 23 mg/l | 36 mg/l |
| Fecal Coliform, Monthly Avg. | 001 | October 2005 | 200 col./100 ml | 267 col./100 ml |
| $BOD_5$, Monthly Avg. | 001 | November 2005 | 10 mg/l | 37 mg/l |
| $BOD_5$, Weekly Avg. | 001 | November 2005 | 15 mg/l | 46 mg/l |
| TSS, Monthly Avg. | 001 | November 2005 | 15 mg/l | 30 mg/l |
| TSS, Weekly Avg. | 001 | November 2005 | 23 mg/l | 33 mg/l |
| Fecal Coliform, Monthly Avg. | 001 | November 2005 | 200 col./100 ml | 286 col./100 ml |
| $BOD_5$, Monthly Avg. | 001 | December 2005 | 10 mg/l | 13 mg/l |
| $BOD_5$, Weekly Avg. | 001 | December 2005 | 15 mg/l | 18 mg/l |
| TSS, Monthly Avg. | 001 | December 2005 | 15 mg/l | 27 mg/l |
| TSS, Weekly Avg. | 001 | December 2005 | 23 mg/l | 40 mg/l |
| $BOD_5$, Monthly Avg. | 001 | January 2006 | 10 mg/l | 20 mg/l |
| $BOD_5$, Weekly Avg. | 001 | January 2006 | 15 mg/l | 32 mg/l |
| TSS, Monthly Avg. | 001 | January 2006 | 15 mg/l | 19 mg/l |
| TSS, Weekly Avg. | 001 | January 2006 | 23 mg/l | 28 mg/l |
| $BOD_5$, Monthly Avg. | 001 | February 2006 | 10 mg/l | 22 mg/l |
| $BOD_5$, Weekly Avg. | 001 | February 2006 | 15 mg/l | 27 mg/l |
| TSS, Monthly Avg. | 001 | February 2006 | 15 mg/l | 37 mg/l |
| TSS, Weekly Avg. | 001 | February 2006 | 23 mg/l | 48 mg/l |
| $BOD_5$, Monthly Avg. | 001 | March 2006 | 10 mg/l | 25 mg/l |
| $BOD_5$, Weekly Avg. | 001 | March 2006 | 15 mg/l | 32 mg/l |
| TSS, Monthly Avg. | 001 | March 2006 | 15 mg/l | 47 mg/l |
| TSS, Weekly Avg. | 001 | March 2006 | 23 mg/l | 54 mg/l |
| Fecal Coliform, Monthly Avg. | 001 | March 2006 | 200 col./100 ml | 600 col./100 ml |
| Fecal Coliform, Weekly Avg. | 001 | March 2006 | 400 col./100 ml | 600 col./100 ml |
| $BOD_5$, Monthly Avg. | 001 | April 2006 | 10 mg/l | 21 mg/l |
| $BOD_5$, Weekly Avg. | 001 | April 2006 | 15 mg/l | 22 mg/l |
| TSS, Monthly Avg. | 001 | April 2006 | 15 mg/l | 33 mg/l |
| TSS, Weekly Avg. | 001 | April 2006 | 23 mg/l | 44 mg/l |
| Fecal Coliform, Monthly Avg. | 001 | April 2006 | 200 col./100 ml | 235 col./100 ml |
| Fecal Coliform, Weekly Avg. | 001 | April 2006 | 400 col./100 ml | 5,500 col./100 ml |
| $BOD_5$, Monthly Avg. | 001 | May 2006 | 10 mg/l | 24 mg/l |
| $BOD_5$, Weekly Avg. | 001 | May 2006 | 15 mg/l | 41 mg/l |
| TSS, Monthly Avg. | 001 | May 2006 | 15 mg/l | 56 mg/l |
| TSS, Weekly Avg. | 001 | May 2006 | 23 mg/l | 72 mg/l |
| $BOD_5$, Monthly Avg. | 001 | June 2006 | 10 mg/l | 17 mg/l |
| $BOD_5$, Weekly Avg. | 001 | June 2006 | 15 mg/l | 27 mg/l |
| TSS, Monthly Avg. | 001 | June 2006 | 15 mg/l | 49 mg/l |
| TSS, Weekly Avg. | 001 | June 2006 | 23 mg/l | 52 mg/l |
| Fecal Coliform, Monthly Avg. | 001 | June 2006 | 200 col./100 ml | 1,200 col./100 ml |
| Fecal Coliform, Weekly Avg. | 001 | June 2006 | 400 col./100 ml | 4,500 col./100 ml |
| $BOD_5$, Monthly Avg. | 001 | July 2006 | 10 mg/l | 12 mg/l |
| TSS, Monthly Avg. | 001 | July 2006 | 15 mg/l | 34 mg/l |
| TSS, Weekly Avg. | 001 | July 2006 | 23 mg/l | 37 mg/l |
| Fecal Coliform, Monthly Avg. | 001 | July 2006 | 200 col./100 ml | 735 col./100 ml |
| Fecal Coliform, Weekly Avg. | 001 | July 2006 | 400 col./100 ml | 6,000 col./100 ml |
| TSS, Monthly Avg. | 001 | August 2006 | 15 mg/l | 27 mg/l |
| TSS, Weekly Avg. | 001 | August 2006 | 23 mg/l | 38 mg/l |
| TSS, Monthly Avg. | 001 | December 2006 | 15 mg/l | 16 mg/l |
| TSS, Weekly Avg. | 001 | December 2006 | 23 mg/l | 26 mg/l |

| | | | | |
|---|---|---|---|---|
| Fecal Coliform, Monthly Avg. | 001 | December 2006 | 200 col./100 ml | 458 col./100 ml |
| Fecal Coliform, Weekly Avg. | 001 | December 2006 | 400 col./100 ml | 3,500 col./100 ml |
| TSS, Monthly Avg. | 001 | February 2007 | 15 mg/l | 20 mg/l |
| $BOD_5$, Monthly Avg. | 001 | March 2007 | 8 lbs/day | DID NOT REPORT |
| $BOD_5$, Monthly Avg. | 001 | March 2007 | 10 mg/l | 86 mg/l |
| $BOD_5$, Weekly Avg. | 001 | March 2007 | 15 mg/l | 113 mg/l |
| TSS, Monthly Avg. | 001 | March 2007 | 13 lbs/day | DID NOT REPORT |
| TSS, Monthly Avg. | 001 | March 2007 | 15 mg/l | 300 mg/l |
| TSS, Weekly Avg. | 001 | March 2007 | 23 mg/l | 380 mg/l |
| Fecal Coliform, Monthly Avg. | 001 | March 2007 | 200 col./100 ml | 4,099 col./100 ml |
| Fecal Coliform, Weekly Avg. | 001 | March 2007 | 400 col./100 ml | 60,000 col./100 ml |
| $NH_3$-N, Monthly Avg. | 001 | March 2007 | REPORT | DID NOT REPORT |
| $BOD_5$, Monthly Avg. | 001 | April 2007 | 8 lbs/day | 640.90 lbs/day |
| $BOD_5$, Monthly Avg. | 001 | April 2007 | 10 mg/l | 68 mg/l |
| $BOD_5$, Weekly Avg. | 001 | April 2007 | 15 mg/l | 77 mg/l |
| TSS, Monthly Avg. | 001 | April 2007 | 13 lbs/day | 1,551.89 lbs/day |
| TSS, Monthly Avg. | 001 | April 2007 | 15 mg/l | 158 mg/l |
| TSS, Weekly Avg. | 001 | April 2007 | 23 mg/l | 160 mg/l |
| Fecal Coliform, Monthly Avg. | 001 | April 2007 | 200 col./100 ml | 3,231 col./100 ml |
| Fecal Coliform, Weekly Avg. | 001 | April 2007 | 400 col./100 ml | 3,600 col./100 ml |
| $BOD_5$, Monthly Avg. | 001 | May 2007 | 8 lbs/day | 2,156.84 lbs/day |
| $BOD_5$, Monthly Avg. | 001 | May 2007 | 10 mg/l | 91 mg/l |
| $BOD_5$, Weekly Avg. | 001 | May 2007 | 15 mg/l | 115 mg/l |
| TSS, Monthly Avg. | 001 | May 2007 | 13 lbs/day | 1,929.34 lbs/day |
| TSS, Monthly Avg. | 001 | May 2007 | 15 mg/l | 78 mg/l |
| TSS, Weekly Avg. | 001 | May 2007 | 23 mg/l | 88 mg/l |
| Fecal Coliform, Monthly Avg. | 001 | May 2007 | 200 col./100 ml | 775 col./100 ml |
| Fecal Coliform, Weekly Avg. | 001 | May 2007 | 400 col./100 ml | 60,000 col./100 ml |
| $BOD_5$, Monthly Avg. | 001 | June 2007 | 8 lbs/day | 1,935.90 lbs/day |
| $BOD_5$, Monthly Avg. | 001 | June 2007 | 10 mg/l | 47 mg/l |
| $BOD_5$, Weekly Avg. | 001 | June 2007 | 15 mg/l | 63 mg/l |
| TSS, Monthly Avg. | 001 | June 2007 | 13 lbs/day | 3,254.01 lbs/day |
| TSS, Monthly Avg. | 001 | June 2007 | 15 mg/l | 80 mg/l |
| TSS, Weekly Avg. | 001 | June 2007 | 23 mg/l | 112 mg/l |
| Fecal Coliform, Monthly Avg. | 001 | June 2007 | 200 col./100 ml | 6,935 col./100 ml |
| Fecal Coliform, Weekly Avg. | 001 | June 2007 | 400 col./100 ml | 37,000 col./100 ml |
| $BOD_5$, Monthly Avg. | 001 | July 2007 | 8 lbs/day | 3,483.16 lbs/day |
| $BOD_5$, Monthly Avg. | 001 | July 2007 | 10 mg/l | 63 mg/l |
| $BOD_5$, Weekly Avg. | 001 | July 2007 | 15 mg/l | 79 mg/l |
| TSS, Monthly Avg. | 001 | July 2007 | 13 lbs/day | 7,070.37 lbs/day |
| TSS, Monthly Avg. | 001 | July 2007 | 15 mg/l | 130 mg/l |
| TSS, Weekly Avg. | 001 | July 2007 | 23 mg/l | 212 mg/l |
| Fecal Coliform, Monthly Avg. | 001 | July 2007 | 200 col./100 ml | 60,000 col./100 ml |
| Fecal Coliform, Weekly Avg. | 001 | July 2007 | 400 col./100 ml | 60,000 col./100 ml |
| $BOD_5$, Monthly Avg. | 001 | August 2007 | 8 lbs/day | 9,219.27 lbs/day |
| $BOD_5$, Monthly Avg. | 001 | August 2007 | 10 mg/l | 116 mg/l |
| $BOD_5$, Weekly Avg. | 001 | August 2007 | 15 mg/l | 176 mg/l |
| TSS, Monthly Avg. | 001 | August 2007 | 13 lbs/day | 4,551.42 lbs/day |
| TSS, Monthly Avg. | 001 | August 2007 | 15 mg/l | 59 mg/l |
| TSS, Weekly Avg. | 001 | August 2007 | 23 mg/l | 86 mg/l |
| Fecal Coliform, Monthly Avg. | 001 | August 2007 | 200 col./100 ml | 8,832 col./100 ml |
| Fecal Coliform, Weekly Avg. | 001 | August 2007 | 400 col./100 ml | 60,000 col./100 ml |

From April 2006 through February 2007, the permittee was not able to report flow due to a broken flow meter. Therefore, loading parameters for $BOD_5$,TSS, and $NH_3$-N were not reported, also.

## XII. ADDITIONAL INFORMATION:

The Department of Environmental Quality reserves the right to impose more stringent discharge limitations and/or additional restrictions in the future to maintain the water quality integrity and the designated uses of the receiving water bodies based upon additional water quality studies and/or TMDL's. The DEQ also reserves the right to modify or revoke and reissue this permit based upon any changes to established TMDL's for this discharge, or to accommodate for pollutant trading provisions in approved TMDL watersheds as requested by the permittee and/or as necessary to achieve compliance with water quality standards. Therefore, prior to upgrading or expanding this facility, the permittee should contact the Department to determine the status of the work being done to establish future effluent limitations and additional permit conditions.

Final effluent loadings (i.e. lbs/day) have been established based upon the permit limit concentrations and the design capacity of 0.25 MGD.

Effluent loadings are calculated using the following example:

$CBOD_5$: 8.34 lb/gal x 0.25 MGD x 10 mg/l = 21 lb/day

At present, the Monitoring Requirements, Sample Types, and Frequency of Sampling as shown in the permit are standard for facilities of flows between 0.10 and 0.50 MGD.

| Effluent Characteristics | Monitoring Requirements | |
|---|---|---|
| | Measurement Frequency | Sample Type |
| Flow | Continuous | Recorder |
| $CBOD_5$ | 2/month | Grab |
| Total Suspended Solids | 2/month | Grab |
| Ammonia-Nitrogen | 2/month | Grab |
| Dissolved Oxygen | 2/month | Grab |
| Fecal Coliform Bacteria | 2/month | Grab |
| pH | 2/month | Grab |

The permittee shall achieve compliance with the FINAL EFFLUENT LIMITATIONS and MONITORING REQUIREMENTS as specified in accordance with the following schedule:

| ACTIVITY | DATE |
|---|---|
| Achieve Interim Effluent Limitations and Monitoring Requirements | On the effective date of the permit |
| Achieve Final Effluent Limitations and Monitoring Requirements | No later than two months after the end of construction of the new treatment plant |

The above listed activities must be achieved on or before the deadline date. Additionally, the permittee shall submit a progress report outlining the status of all facility improvements on a yearly basis until compliance is achieved.

Within 14 days of completion of the new facility or facility upgrade and/or expansion, the Permittee shall notify the Department of Environmental Quality-Office of Environmental Services in writing that construction has been completed.

The Permittee shall achieve sustained compliance with Final Effluent Limitations.

If the Village of Pine Prairie is unable to comply with the above issued Schedule of Compliance, the village shall submit an alternative compliance schedule, for consideration by this Office, within the Draft permit public notice period.

**Pretreatment Requirements**

Based upon consultation with LDEQ pretreatment personnel, general pretreatment language will be used due to the lack of either an approved or required pretreatment program.

**Pollution Prevention Requirements**

The permittee shall institute or continue programs directed towards pollution prevention. The permittee shall institute or continue programs to improve the operating efficiency and extend the useful life of the facility. The permittee will complete an annual Environmental Audit Report **each year** for the life of this permit according to the schedule below. The permittee will accomplish this requirement by completing an Environmental Audit Form which has been attached to the permit. All other requirements of the Municipal Wastewater Pollution Prevention Program are contained in Part II of the permit.

The audit evaluation period is as follows:

| Audit Period Begins | Audit Period Ends | Audit Report Completion Date |
|---|---|---|
| Effective Date of Permit | 12 Months from Audit Period Beginning Date | 3 Months from Audit Period Ending Date |

## XIII TENTATIVE DETERMINATION:

On the basis of preliminary staff review, the Department of Environmental Quality has made a tentative determination to reissue a permit for the discharge described in this Statement of Basis.

## XIV REFERENCES:

Louisiana Water Quality Management Plan / Continuing Planning Process, Vol. 8, "Wasteload Allocations / Total Maximum Daily Loads and Effluent Limitations Policy," Louisiana Department of Environmental Quality, 2005.

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